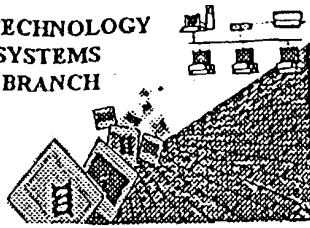


BIOTECHNOLOGY
SYSTEMS
BRANCH



RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/539,992 B
Source: IFW16
Date Processed by STIC: 12/28/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/dbc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box-1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 06/05/04):
U.S. Patent and Trademark Office, 220 20th Street S., Customer Window, Mail Stop Sequence, Crystal Plaza Two, Lobby, Room 1B03, Arlington, VA 22202

Revised 05/17/04

Raw Sequence Listing Error Summary

ERROR DETECTED
SUGGESTED CORRECTION
SERIAL NUMBER: 09/539,992B

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics
 Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 Invalid Line Length The rules require that a line **not exceed 72 characters** in length. This includes white spaces.
- 3 Misaligned Amino Numbering The numbering under each 5th amino acid is misaligned. Do **not** use tab codes between numbers; use **space characters**, instead.
- 4 Non-ASCII The submitted file was **not saved in ASCII(DOS) text**, as **required by the Sequence Rules**. Please ensure your subsequent submission is saved in ASCII text.
- 5 Variable Length Sequence(s) _____ contain n's or Xaa's representing more than one residue. **Per Sequence Rules**, each n or Xaa can only represent a single residue. Please present the **maximum** number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 PatentIn 2.0 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**
- 7 Skipped Sequences (OLD RULES) Sequence(s) _____ missing. If intentional, please insert the following lines for **each** skipped sequence:
 (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped
 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to **include** the skipped sequences.
- 8 Skipped Sequences (NEW RULES) Sequence(s) _____ missing. If intentional, please insert the following lines for **each** skipped sequence.
 <210> sequence id number
 <400> sequence id number
 000
- 9 Use of n's or Xaa's (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
 Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
 In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10 Invalid <213> Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11 Use of <220> Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses.
 Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
 (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 PatentIn 2.0 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 Misuse of n/Xaa "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid



IFW16

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/539,992B

DATE: 12/28/2004
TIME: 12:45:24

Input Set : A:\PTO.SR.txt
Output Set: N:\CRF4\12282004\I539992B.raw

see items 2 and
4 on Error Summary
Sheet

4 <110> APPLICANT: Council of Scientific and Industrial Research
6 <120> TITLE OF INVENTION: A new and distinct somatoclonal variety of rose scented
geranium parimal

8 <130> FILE REFERENCE: FP 00345
10 <140> CURRENT APPLICATION NUMBER: US 09/539,992B
12 <141> CURRENT FILING DATE: 2000-03-30
14 <160> NUMBER OF SEQ ID NOS: 13
16 <170> SOFTWARE: PatentIn version 3.1
18 <210> SEQ ID NO: 1
20 <211> LENGTH: 10
22 <212> TYPE: DNA

24 <213> ORGANISM: Artificial

W--> 26 <220> FEATURE:

W--> 26 <223> OTHER INFORMATION:

W--> 26 <400> 1

27 gtgcaatcag
29 <210> SEQ ID NO: 2
31 <211> LENGTH: 10
33 <212> TYPE: DNA
35 <213> ORGANISM: Artificial

W--> 37 <220> FEATURE:

W--> 37 <223> OTHER INFORMATION:

W--> 37 <400> 2

38 aggatacgtg
40 <210> SEQ ID NO: 3
42 <211> LENGTH: 10
44 <212> TYPE: DNA
46 <213> ORGANISM: Artificial

W--> 48 <220> FEATURE:

W--> 48 <223> OTHER INFORMATION:

W--> 48 <400> 3

49 aagatagcgg
51 <210> SEQ ID NO: 4
53 <211> LENGTH: 10
55 <212> TYPE: DNA
57 <213> ORGANISM: Artificial

W--> 60 <220> FEATURE:

W--> 60 <223> OTHER INFORMATION:

W--> 60 <400> 4

61 ggatctgaac
64 <210> SEQ ID NO: 5
66 <211> LENGTH: 10
68 <212> TYPE: DNA
70 <213> ORGANISM: Artificial

10

10

10

10

pp1-4
Does Not Comply
Corrected Diskette Needed

see p. 4 for error explanation
(global errors)

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/539,992B

DATE: 12/28/2004
TIME: 12:45:24

Input Set : A:\PTO.SR.txt
Output Set: N:\CRF4\12282004\I539992B.raw

```

W--> 72 <220> FEATURE:
W--> 72 <223> OTHER INFORMATION:
W--> 72 <400> 5
    73 ttgtctcagg                                10
    76 <210> SEQ ID NO: 6
    78 <211> LENGTH: 10
    80 <212> TYPE: DNA
    82 <213> ORGANISM: Artificial
W--> 84 <220> FEATURE:
W--> 84 <223> OTHER INFORMATION:
W--> 84 <400> 6
    85 gtcctactcg                                10
    88 <210> SEQ ID NO: 7
    90 <211> LENGTH: 10
    92 <212> TYPE: DNA
    94 <213> ORGANISM: Artificial
W--> 97 <220> FEATURE:
W--> 97 <223> OTHER INFORMATION:
W--> 97 <400> 7
    98 tgcgcgatcg                                10
    101 <210> SEQ ID NO: 8
    103 <211> LENGTH: 10
    105 <212> TYPE: DNA
    107 <213> ORGANISM: Artificial
W--> 110 <220> FEATURE:
W--> 110 <223> OTHER INFORMATION:
W--> 110 <400> 8
    111 aacgtacgcg                                10
    114 <210> SEQ ID NO: 9
    116 <211> LENGTH: 10
    118 <212> TYPE: DNA
    120 <213> ORGANISM: Artificial
W--> 123 <220> FEATURE:
W--> 123 <223> OTHER INFORMATION:
W--> 123 <400> 9
    124 gcacgcccga                                10
    127 <210> SEQ ID NO: 10
    129 <211> LENGTH: 10
    131 <212> TYPE: DNA
    133 <213> ORGANISM: Artificial
W--> 136 <220> FEATURE:
W--> 136 <223> OTHER INFORMATION:
W--> 136 <400> 10
    137 caccctgcgc                                10
    140 <210> SEQ ID NO: 11
    142 <211> LENGTH: 10
    144 <212> TYPE: DNA
    146 <213> ORGANISM: Artificial
W--> 150 <220> FEATURE:

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/539,992B

DATE: 12/28/2004

TIME: 12:45:24

Input Set : A:\PTO.SR.txt

Output Set: N:\CRF4\12282004\I539992B.raw

W--> 150 <223> OTHER INFORMATION:

W--> 150 <400> 11

151 ggactccacg

10

154 <210> SEQ ID NO: 12

156 <211> LENGTH: 10

158 <212> TYPE: DNA

160 <213> ORGANISM: Artificial

W--> 164 <220> FEATURE:

W--> 164 <223> OTHER INFORMATION:

W--> 164 <400> 12

165 aagatagcgg

10

168 <210> SEQ ID NO: 13

170 <211> LENGTH: 10

172 <212> TYPE: DNA

174 <213> ORGANISM: Artificial

W--> 177 <220> FEATURE:

W--> 177 <223> OTHER INFORMATION:

W--> 177 <400> 13

178 ctatcgccgc

10

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/539,992B

DATE: 12/28/2004
TIME: 12:45:25

Input Set : A:\PTO.SR.txt
Output Set: N:\CRF4\12282004\I539992B.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13

Use of <220> Feature(NEW RULES): *error explanation*

Sequence(s) are missing the <220> Feature and associated headings.

Use of <220> to <223> is MANDATORY if <213> ORGANISM is "Artificial Sequence"
or "Unknown". Please explain source of genetic material in <220> to <223>
section (See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32)
(Sec.1.823 of new Rules)

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/539,992B

DATE: 12/28/2004

TIME: 12:45:25

Input Set : A:\PTO.SR.txt

Output Set: N:\CRF4\12282004\I539992B.raw

L:26 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:1, <213>
ORGANISM:Artificial
L:26 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:1, <213>
ORGANISM:Artificial
L:26 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:1,Line#:26
L:37 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:2, <213>
ORGANISM:Artificial
L:37 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:2, <213>
ORGANISM:Artificial
L:37 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:2,Line#:37
L:48 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:3, <213>
ORGANISM:Artificial
L:48 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:3, <213>
ORGANISM:Artificial
L:48 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:3,Line#:48
L:60 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:4, <213>
ORGANISM:Artificial
L:60 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:4, <213>
ORGANISM:Artificial
L:60 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:4,Line#:60
L:72 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:5, <213>
ORGANISM:Artificial
L:72 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:5, <213>
ORGANISM:Artificial
L:72 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:5,Line#:72
L:84 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:6, <213>
ORGANISM:Artificial
L:84 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:6, <213>
ORGANISM:Artificial
L:84 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:6,Line#:84
L:97 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:7, <213>
ORGANISM:Artificial
L:97 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:7, <213>
ORGANISM:Artificial
L:97 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:7,Line#:97
L:110 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:8, <213>
ORGANISM:Artificial
L:110 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:8, <213>
ORGANISM:Artificial
L:110 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:8,Line#:110
L:123 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:9, <213>
ORGANISM:Artificial
L:123 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:9, <213>
ORGANISM:Artificial
L:123 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:9,Line#:123
L:136 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:10, <213>
ORGANISM:Artificial
L:136 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:10, <213>
ORGANISM:Artificial
L:136 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:10,Line#:136
L:150 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:11, <213>
ORGANISM:Artificial
L:150 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:11, <213>

ORGANISM:Artificial
L:150 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:11,Line#:150
L:164 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:12, <213>
ORGANISM:Artificial
L:164 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:12, <213>
ORGANISM:Artificial
L:164 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:12,Line#:164
L:177 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:13, <213>
ORGANISM:Artificial
L:177 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:13, <213>
ORGANISM:Artificial
L:177 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:13,Line#:177